Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/10/2019 09:26 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123542	-2	1.67	123666	1.63
Blue	F	SSC	125000	124629	-1	1.68	125468	1.64
Blue	E	FITC	16433	16052	-3	2.65	349	19.64
Blue	D	PE	27595	26987	-3	1.94	585	13.99
Blue	B	PerCP-Cy5-5	43183	42755	-1	3.57	1152	19.59
Blue	A	PE-Cy7	31943	32115	0	5.85	623	38.66
Red	C	APC	42819	42298	-2	2.46	1498	11.84
Red	A	APC-Cy7	31261	30079	-4	2.33	812	11.35
Violet	B	V450	6527	6385	-3	4.59	357	12.93
Violet	A	V500	24533	23501	-5	4.38	548	10.69

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17552	8.00	609	9	N/A	N/A	Pass
Blue	F	SSC	56750	1.23	552	4	N/A	N/A	Pass
Blue	E	FITC	64	62.06	538	-1	0.0208	107	Pass
Blue	D	PE	122	48.82	534	0	0.2003	330	Pass
Blue	B	PerCP-Cy5-5	210	48.37	645	3	0.0098	60	Pass
Blue	A	PE-Cy7	117	93.84	693	4	0.0119	12	Pass
Red	C	APC	355	24.96	579	-4	0.0260	180	Pass
Red	A	APC-Cy7	179	27.68	557	-6	0.0062	1162	Pass
Violet	B	V450	56	57.66	447	-8	0.0580	2298	Pass
Violet	A	V500	83	35.21	457	-10	0.0235	1073	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.43	-32.06	1.04
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.49
Red	17.42	13.60 - 20.40	N/A	N/A	29.79	30.02	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 9996

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments